

## DAFTAR PUSTAKA

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# LAMPIRAN

## HASIL UJI STATISTIK

### UNTUK KELOMPOK PERENDAMAN CAMPURAN AIR DAN KARBON DIOKSIDA ( 18 ORANG)

#### Descriptive Statistics

	N	Minimum	Maximum	Mean	Std. Deviation
Usia	18	24.00	66.00	44.8889	13.45095
ICAM-1 Pre	15	13.96	233.64	52.6193	70.56488
ICAM-1 Post	15	14.07	238.46	51.7307	64.77601
VCAMPRE	14	46.59	249.68	109.3000	61.19463
VCAMPOST	15	56.35	429.58	117.3593	90.86707
GFR 1	18	12	162	70.22	31.624
GFR 4	18	12	162	68.89	33.587
UREUM PRE	18	36	162	74.17	31.341
UREUM POST	18	11	189	71.83	42.497
KREATININ PRE	18	3.70	29.40	9.0222	5.72400
KREATININ POST	18	3.70	29.40	9.4200	6.01202
Valid N (listwise)	14				

#### Descriptive Statistics

	N	Minimum	Maximum	Mean	Std. Deviation
Sistol mgg1	18	110	190	141.67	20.934
Sistol mgg4	18	100	200	138.89	25.179
Distol mgg1	18	70	100	81.67	6.183
Diastol mgg4	18	60	100	80.56	8.024
Berat badan mgg1	18	40.50	70.50	55.2778	8.97254
Berat badan mgg4	18	41.00	70.50	55.5278	9.08695
Valid N (listwise)	18				

**Descriptive Statistics**

	N	Minimum	Maximum	Mean	Std. Deviation
Pre-test Blood Flow (Pre)	18	4.78	19.94	10.5039	4.20055
Pre-test Blood Flow (Post)	18	4.32	18.34	10.5122	4.37116
Intervensi Blood Flow (Pre)	18	6.11	23.02	12.4433	4.84158
Intervensi Blood Flow (Post)	18	6.28	22.07	11.6772	4.74681
Post-test Blood Flow (Pre)	18	5.88	42.19	13.3106	8.50700
Post-test Blood Flow (Post)	18	5.13	37.37	12.3822	7.43468
Valid N (listwise)	18				

**UNTUK KELOMPOK PERENDAMAN AIR TAWAR (12 ORANG)**

**Descriptive Statistics**

	N	Minimum	Maximum	Mean	Std. Deviation
Usia	12	24.00	65.00	48.4167	13.70108
ICAM-1 Pre	10	17.69	249.44	75.4280	77.48107
ICAM-1 Post	9	16.47	242.16	92.0600	93.04268
VCAMPRE	9	60.74	323.26	125.1911	81.13114
VCAMPOST	9	65.13	247.03	144.7133	67.82948
GFR 1	12	42	174	76.42	36.303
GFR 4	12	43	174	76.33	35.199
UREUM PRE	12	54	165	94.58	33.214
UREUM POST	12	54	165	94.00	34.517
KREATININ PRE	12	4.10	12.70	8.2167	2.79312
KREATININ POST	12	4.10	12.70	7.8717	2.34261
Valid N (listwise)	9				



**Descriptive Statistics**

	N	Minimum	Maximum	Mean	Std. Deviation
Sistol mgg1	12	100	169	128.25	23.518
Sistol mgg4	12	90	190	131.83	33.796
Distol mgg1	12	60	90	76.00	10.054
Diastol mgg4	12	60	90	76.17	8.200
Berat badan mgg1	12	51.50	83.00	63.4167	10.18205
Berat badan mgg4	12	50.00	80.50	61.7083	9.88217
Valid N (listwise)	12				

**Descriptive Statistics**

	N	Minimum	Maximum	Mean	Std. Deviation
Pre-test Blood Flow (Pre)	12	4.88	13.10	8.2783	2.69736
Pre-test Blood Flow (Post)	12	1.27	9.78	6.4683	2.39504
Intervensi Blood Flow (Pre)	12	3.99	13.75	8.4708	2.96710
Intervensi Blood Flow (Post)	12	4.83	10.30	6.7758	1.49333
Post-test Blood Flow (Pre)	12	3.40	13.28	7.8708	2.92767
Post-test Blood Flow (Post)	12	5.63	10.89	7.6817	1.56522
Valid N (listwise)	12				

PADA UJI WILCOXON UNTUK MELIHAT PERUBAHAN PADA MASING2 KELOMPOK → TIDAK ADA PERBEDAAN YANG SIGNIFIKAN PERUBAHAN ALIRAN DARAH TERSEBUT

Kelompok kasus (18 orang)

**Ranks**

	N	Mean Rank	Sum of Ranks
Intervensi Blood Flow (Pre) - Negative Ranks	8 <sup>a</sup>	7.50	60.00
Intervensi Blood Flow (Post) Positive Ranks	9 <sup>b</sup>	10.33	93.00
Ties	1 <sup>c</sup>		
Total	18		

**Test Statistics<sup>a</sup>**

	Intervensi Blood Flow (Pre) - Intervensi Blood Flow (Post)
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Z	-.781 <sup>b</sup>
Asymp. Sig. (2-tailed)	.435

Kelompok Kontrol (12 Orang)

**Ranks**

	N	Mean Rank	Sum of Ranks
Intervensi Blood Flow (Pre) - Negative Ranks	5 <sup>a</sup>	4.80	24.00
Intervensi Blood Flow (Post) Positive Ranks	7 <sup>b</sup>	7.71	54.00
Ties	0 <sup>c</sup>		
Total	12		

	Intervensi Blood Flow (Pre) - Intervensi Blood Flow (Post)
Z	-1.177 <sup>b</sup>
Asymp. Sig. (2-tailed)	.239

a. Wilcoxon Signed Ranks Test

b. Based on negative ranks.

**Uji Mann Whitney**

**Group Statistics**

	Kelompok	N	Mean	Std. Deviation	Std. Error Mean
deltaint	Perendaman CO2	18	.7661	4.13127	.97375
	Perendaman air tawar	12	1.6950	3.79828	1.09647

**Test Statistics<sup>a</sup>**

	deltaint
Mann-Whitney U	97.000
Wilcoxon W	268.000
Z	-.466
Asymp. Sig. (2-tailed)	.641
Exact Sig. [2*(1-tailed Sig.)]	.662 <sup>b</sup>

a. Grouping Variable: Kelompok

b. Not corrected for ties.

PADA UJI WILCOXON UNTUK MELIHAT PERUBAHAN PADA MASING2 KELOMPOK → TIDAK ADA PERBEDAAN YANG SIGNIFIKAN PERUBAHAN KADAR ICAM-1 TERSEBUT

Perendaman CO2

		Ranks		
		N	Mean Rank	Sum of Ranks
icampoa - icampra	Negative Ranks	5 <sup>a</sup>	7.80	39.00
	Positive Ranks	8 <sup>b</sup>	6.50	52.00
	Ties	0 <sup>c</sup>		
	Total	13		

a. icampoa < icampra

b. icampoa > icampra

c. icampoa = icampra

Test Statistics <sup>a</sup>	
	icampoa - icampra
Z	-.454 <sup>b</sup>
Asymp. Sig. (2-tailed)	.650

a. Wilcoxon Signed Ranks Test

b. Based on negative ranks.

Perendaman Air Tawar

		Ranks		
		N	Mean Rank	Sum of Ranks
icampoa - icampra	Negative Ranks	4 <sup>a</sup>	3.50	14.00
	Positive Ranks	3 <sup>b</sup>	4.67	14.00
	Ties	0 <sup>c</sup>		
	Total	7		

a. icampoa < icampra

b. icampoa > icampra

c. icampoa = icampra

**Ranks**

		N	Mean Rank	Sum of Ranks
icampoa - icampra	Negative Ranks	4 <sup>a</sup>	3.50	14.00
	Positive Ranks	3 <sup>b</sup>	4.67	14.00
	Ties	0 <sup>c</sup>		
	Total	7		

a. icampoa < icampra

b. icampoa > icampra

c. icampoa = icampra

Kelompok perendaman CO<sub>2</sub>

**Paired Samples Statistics**

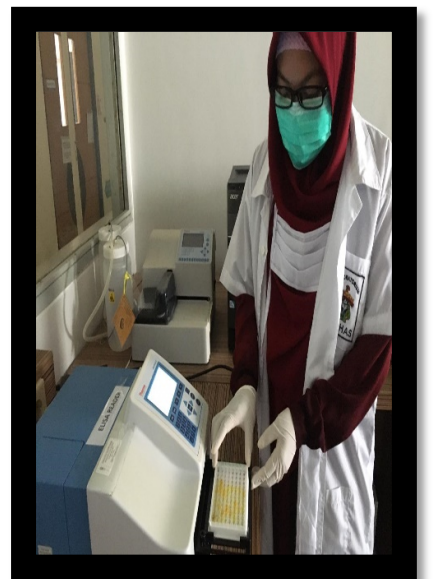
		Mean	N	Std. Deviation	Std. Error Mean
Pair 1	icampra	42.8954	13	58.83346	16.31747
	icampoa	39.6900	13	41.91103	11.62403

Kelompok perendaman air tawar

**Paired Samples Statistics**

		Mean	N	Std. Deviation	Std. Error Mean
Pair 1	icampra	38.6429	7	40.97539	15.48724
	icampoa	63.9686	7	80.65940	30.48639

## DOKUMENTASI





KEMENTERIAN PENDIDIKAN DAN KEBUDAYAAN  
UNIVERSITAS HASANUDDIN FAKULTAS KEDOKTERAN  
KOMITE ETIK PENELITIAN KESEHATAN  
RSPTN UNIVERSITAS HASANUDDIN  
RSUP Dr. WAHIDIN SUDIROHUSODO MAKASSAR



Sekretariat : Lantai 3 Gedung Laboratorium Terpadu  
JL.PERINTIS KEMERDEKAAN KAMPUS TAMALANREA KM 10 MAKASSAR 90245.  
Contact Person: dr. Agussalim Bukhari, MMed, PhD, SpGK TELP 081241850858, 0411 5780103, Fax : 0411-581431

**REKOMENDASI PERSETUJUAN ETIK**

Nomor : 333/UN4.6.4.5.31/PP36/2020

Tanggal: 24 Juni 2020

Dengan Ini Menyatakan bahwa Protokol dan Dokumen yang Berhubungan Dengan Protokol berikut ini telah mendapatkan Persetujuan Etik :

No Protokol	UH20010007	No Sponsor Protokol	
Peneliti Utama	<b>Yammar, S. Kep</b>	Sponsor	
Judul Peneliti	Pengaruh Perendaman Kaki Dalam Campuran Air dan Karbondioksida Terhadap Perubahan Nilai Aliran Darah dan Kadar ICAM-1 Pada Penderita Gagal Ginjal		
No Versi Protokol	2	Tanggal Versi	2 Januari 2020
No Versi PSP	2	Tanggal Versi	2 Januari 2020
Tempat Penelitian	RSPTN Universitas Hasanuddin Makassar, Laboratorium Biologi Molekuler (Hum Rc)		
Jenis Review	<input type="checkbox"/> Exempted <input checked="" type="checkbox"/> Expedited <input type="checkbox"/> Fullboard	Masa Berlaku 24 Juni 2020 Sampai 24 Juni 2021	Frekuensi review lanjutan
Ketua Komisi Etik Penelitian Kesehatan FK UH	Nama <b>Prof. Dr. dr. Suryani As'ad., MSc, Sp.GK (K)</b>	Tanda tangan 	Tanggal
Sekretaris Komisi Etik Penelitian Kesehatan FK UH	Nama <b>dr. Agussalim Bukhari, M.Med, PhD, Sp.GK (K)</b>	Tanda tangan 	Tanggal

**Kewajiban Peneliti Utama:**

- Menyerahkan Amandemen Protokol untuk persetujuan sebelum di implementasikan
- Menyerahkan Laporan SAE ke Komisi Etik dalam 24 Jam dan dilengkapi dalam 7 hari dan Laporan SUSAR dalam 72 Jam setelah Peneliti Utama menerima laporan
- Menyerahkan Laporan Kemajuan (progress report) setiap 6 bulan untuk penelitian resiko tinggi dan setiap setahun untuk penelitian resiko rendah
- Menyerahkan laporan akhir setelah Penelitian berakhir
- Melaporkan penyimpangan dari protokol yang disetujui (protocol deviation / violation)
- Mematuhi semua peraturan yang ditentukan